



PHOTOGRAPHIC INTERPRETATION REPORT

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

# KH-4 MISSION IIIO IPIR NUMBER 21

OAK SUPPLEMENT PART XVII 21 MAY 8 JUNE 1970

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#### WARNING

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## TARGET CATEGORIES AND ASSOCIATED NTP FUNCTIONAL AREAS (CODES)

1. STRATEGIC SSM

Deployed Strategic SSM Facilities (A)

2. MISSILE RANGES

Missile Ranges: Strategic SSM/Space Facilities (P)

Missile Ranges: Air-Launched Missile Facilities (Q)

Missile Ranges: Naval-Launched Missile Facilities (R)

Missile Ranges: Tactical SSM Facilities (S)

Missile Ranges: SAM/AMM Facilities (T)

3. AIR DEFENSE MISSILES

Deployed AMM Facilities (B)

Deployed SAM Facilities (D)

4. ELECTRONICS/COMMUNICATIONS

Deployed Communication/Electronic/Radar Facilities (C)

5. AIR

Air Base Facilities (E)

6. NAVAL

Naval Base Facilities (F)

7. GROUND

Ground Force Facilities (G)

8. TACTICAL SSM

Deployed Tactical SSM Facilities (H)

9. LOGISTICS

Military Logistics Facilities (K)

10 NUCLEAR ENERGY

Atomic Energy Facilities (0)

11. CBR

**CBR Facilities (V)** 

12. INDUSTRY

Strategic Weapons Industrial Facilities (J)

General Purpose Weapons Industrial Facilities (L)

Non -Military Industrial Facilities (N)

Communication/Electronic/Radar R&D Facilities (U)

13. MISCELLANEOUS

Non-Military Logistics Facilities (M)
Miscellaneous/Unidentified Facilities (Z)

These thirteen target categories are compatible with the Functional Area of Imagery Interpretation established under the National Tasking Plan. To enhance the analysis of readout on operationally associated targets, each target is reported relative to its primary functional association (i.e., missile range tracking facilities are reported under "MISSILE RANGES," fly-away airfields at aircraft plants are reported under "INDUSTRY," airfield nuclear weapons storage facilities are reported under "AIR," etc.).

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TCS-20238/70 - IPIR 21 KH-4 MISSION 1110 PREFACE

### PREFACE

THIS IS THE SEVENTEENTH OAK SUPPLEMENT REPORT ON MISSION 1110. FOR COMPLETE PREFACE SEE FIRST OAK SUPPLEMENT REPORT.

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TCS-20238/70 - IPIR 21 KH-4 MISSION 1110 ALGERIA
DEPLOYED STRATEGIC SSM FACILITIES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1A

TIPASA SUSPECT SSM SEARCH

36-35-//N 002-27-//E

STATUS: UNKNOWN

REMARKS:

THE EASTERN 10 PERCENT OF THE SEARCH AREA WAS COVERED. NO

25X1D MISSILE ACTIVITY WAS OBSERVED.

2

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TOCHONOSRITO - TOTR 2

CHINA, COMMUNIST INDUSTRY

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25X1A

25X1A

SIGNIFICANT RESULTS

25X1D

25X1D

25X1D

TAI-YUAN EXPL + SOLID MTR PROD PLT 245

37-59- N

N 112-31-E

STATUS: OPERATIONAL

REMARKS: EXTENSIVE NEW CONSTRUCTION ACTIVITY WAS OBSERVED ADJACENT TO THE SOUTHERN EDGE OF THE DOUBLE BASE PLANT.

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SOVIET UNION MISSILE RANGES

25X1D

25X1A SIGNIFICANT RESULTS

POLUOSTROV KAMCHATKA MSL IMPACT AREA 1

25X1D 25X1D N 161-43-57-22-

STATUS: UNKNOWN

25X1A

REMARKS:

AT LEAST 20 PROBABLE THE ENTIRE AREA WAS COVERED. NO DETERMINATION OF MISSILE-IMPACT CRATERS WERE OBSERVED. CHRONOLOGY WAS INVOLVED IN THIS COUNT.

25X1D

25X1D 25X1D 161-45-POLUOSTROV KAMCHATKA MSL IMPACT AREA 2 56-55-

STATUS: UNKNOWN

25X1A

25X1A

REMARKS:

THE ENTIRE AREA WAS COVERED. AT LEAST THREE PROBABLE NO DETERMINATION OF MISSILE-IMPACT CRATERS WERE OBSERVED.

CHRONOLOGY WAS INVOLVED IN THIS COUNT.

25X1D

25X1D

25X1D 25X1D

25X1D

UKA HEN EGG/KAMCHATKA IMP TRKNG FAC A

162-01-25X1A

25X1A

STATUS: COMPLETE

THE PREVIOUESY REPORTED GABLE-ROOFED ADDITION TO A BUILDING IN REMARKS: THE OPERATIONS AREA WAS NEARLY COMPLETE EXTERNALLY.

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SOVIET UNION AIR DEFENSE MISSILES

25X1D

SIGNIFICANT RESULTS

25X1A

25X1D

25X1D

25X1A

ANTIPINSKOYE SAM FIRING RANGE

E N 113-36-52~51-

STATUS: OPERATIONAL

REMARKS:

THE FOLLOWING DESIGNATORS HAVE BEEN ASSIGNED TO THE LAUNCH SITES AS FOLLOWS -- SITE 1 IS NOW A13C-2, SITE 2 IS NOW A13B-2, SITE 3 IS NOW A13A-2, SITE 4 IS NOW A13-2, AND SITE 5 IS NOW AN OCCUPIED SA-2 TACTICAL TRAINING SITE IS A13-3. APPROXIMATELY 305 METERS (1,000 FEET) NORTH OF SUPPORT AREA A. SITES A13-3, A13-2, A13A-2 AND A13B-2 APPEARED TO BE OCCUPIED. SUPPORT AREA B APPEARED ACTIVE, AND THE MAIN HOUSING AREA WAS UNCHANGED.

25X1D

25X1D

25X1A

25X1D

KUM-DAG SAM SITE A22-2

NAC

N 054-34-39-10-

25X1D

STATUS: OCCUPIED

25X1D

E.

25X1D

25X1D 25X1A

25X1D LENINABAD SAM SUPPORT FACILITY

NAC

40-13-N 069-40-

STATUS: OPERATIONAL

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25X1D

KH-4 MISSION 1110 25X1D 25X1D 25X1D 25X1A 55-14-1N 038-34-MOSKVA ABM LAUNCH COMPLEX E05 25X1A NAC 25X1D 25X1D STATUS: OCCUPIED NO SIGIFICANT CHANGES WERE DISCERNED IN THE LAUNCH AREA OR IN , GALOSH CANISTERS WERE IN THE ELEVATED POSITION AT TRY ADD 1 AND AT LAUNCH POSITIONS 181 AND 1C1. POSSIBLE CANISTERS WERE OBSERVED AT THE SUPPORT AND HOUSING AREA. ON CANISTERS WERE NOT LAUNCH POSITIONS 184 AND 1C4 ON 25X1D OBSERVED AT TRY ADD 2 ON EITHER DAY. POOR WEATHER CONDITIONS PRECLUDED THE IDENTIFICATION OF GALOSH CANISTERS AT THE COMPLEX ON PHOTOGRAPHY OF 25X1D MISSILE ORDER OF BATTLE: 2 GALOSH CANISTERS 25X1D

2 POSS GALOSH CANISTERS

25X1D MOSKVA ABM LAUNCH COMPLEX E24 NAC STATUS: OCCUPIED

N 036-29-55-21-25X1A 25X1A

25X1D

TCS-20238/70 - IPIR 21 KH-4 MISSION 1110

SOVIET UNION AIR DEFENSE MISSILES

25X1D

REMARKS:

A TOTAL OF SEVEN GALOSH CANISTERS WAS AT THE COMPLEX ON AT TRY ADD 1, CANISTERS WERE IN THE ELEVATED POSITION AT LAUNCH POSITIONS 181, 183, 1C1, AND 1C4. A GALOSH CANISTER WAS IN THE HORIZONTAL POSITION AT LAUNCH POSITION 182. GALOSH CANISTERS IN THE HORIZONTAL POSITION WERE OBSERVED AT TRY ADD 2 AND AT LAUNCH POSITIONS 2C1 AND 2C4. CANISTERS WERE ALSO OBSERVED AT THESE TWO LAUNCH POSITIONS ON BUT CLOUD COVER PRECLUDED IDENTIFICATION OF CANISTERS ELSEWHERE.

25X1D

25X1D

MISSILE ORDER OF BATTLE: -- LAUNCH POSITIONS 2C1 + 2C4 2 GALOSH CANISTERS (AT LEAST)

25X1D

-- LAUNCH COMPLEX 7 GALOSH CANISTERS

25X1D

25X1A

25X1D

25X1D

25X1D

MOSKVA ABM LAUNCH COMPLEX E31

56-08-N 036-29-

NAC

STATUS: OCCUPIED

REMARKS:

NO SIGNIFICANT CHANGES WERE DISCERNED AT EITHER TRY ADD. GALOSH CANISTERS WERE OBSERVED AT TRY ADD 1 AND AT LAUNCH POSITIONS 181, 183, AND 1C4. CANISTERS WERE NOT PRESENT AT TRY ADD 2. NO SIGNIFICANT CHANGES WERE OBSERVED IN THE SUPPORT AND HOUSING AREA.

MISSILE ORDER OF BATTLE: 3 GALOSH CANISTERS

-25X1D

TOP SECRET RUFF
Talent: Approved For Release 2000/04/17: CIA-RDP78T04562A000700010019-1 Control System Only SOVIET UNION TCS-20238/70 - IPIR 21 AIR DEFENSE MISSILES KH-4 MISSION 1110 25X1D 25X1D 25X1D N 036-48-56-20-MOSKVA ABM LAUNCH COMPLEX E33 25X1D 25X1A 25X1A STATUS: OCCUPIED 25X1D REMARKS: NO CHANGES WERE OBSERVED AT TRY ADD 1. ON 25X1D CANISTER WAS OBSERVED AT LAUNCH POSITION 183 IN THE HORIZONTAL A PROBABLE CANISTER WAS AT POSITION 1C2. A CANISTER 25X1D WAS AGAIN OBSERVED AT POSITION 183, AND A PROBABLE CANISTER WAS AT TRY ADD 2, RECTANGULAR OBSERVED AT POSITION 1C1 ON EXCAVATIONS WERE OBSERVED ADJACENT TO BUILDINGS B AND C. EXCAVATIONS WERE OBSERVED ON MISSION CANISTERS WERE NOT PRESENT AT TRY ADD 2 ON 25X1D BUT A PROBABLE VEHICLE WAS ADJACENT TO THE LAUNCHER-ERECTOR AT POSITION 2C4. A PROBABLE GALOSH CANISTER WAS OBSERVED AT NO SIGNIFICANT CHANGES WERE APPARENT POSITION 2C4 ON IN THE SUPPORT AND HOUSING AREA. 25X1D 25X1D MISSILE ORDER OF BATTLE: 1 PROB VEHICLE 1 GALOSH CANISTER 1 PROB GALOSH CANISTER 25X1D 2 PROB GALOSH CANISTERS 1 GALOSH CANISTER 25X1D 25X1D 25X1D 25X1D 25X1*A*55**-1**8-N 036-33-MOSKVA ABM SUPPORT FACILITY BOROVSK NAC STATUS: OPERATIONAL

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SOVIET UNION AIR DEFENSE MISSILES

25X1D

REMARKS: 25X1D

NO SIGNIFICANT CHANGES WERE OBSERVED IN THE OPERATIONS AREA OR APPROXIMATELY 30 GALOSH THE SUPPORT AND HOUSING AREA. CANISTERS WERE ON THE EASTERN MISSILE-HOLD HARDSTAND. , A POSSIBLE GALOSH CANISTER WITH PRIME MOVER WAS BEING DRIVEN ALONG THE SERVICE ROAD IN THE LIQUID PROPELLANT STORAGE AND HANDLING FACILITY, BETWEEN THE MISSILE-FUELING BUILDING AND TANK FARM A.

MISSILE ORDER OF BATTLE: 30 GALOSH CANISTERS (APPROXIMATELY)

1 POSS GALOSH CANISTER WITH PRIME MOVER

25X1D



25X1A

25X1A

25X1D

MOSKVA ABM TRAINING SITE D25-1 NAC

N 036-41 55-33-25X1D

STATUS: OPERATIONAL

REMARKS:

AT LEAST SIX VEHICLES OR PIECES OF EQUIPMENT WERE OBSERVED AT NO GALOSH CANISTERS WERE PRESENT.

MISSILE ORDER OF BATTLE: 6 VEHICLES OR PIECES OF 25X1D EQUIPMENT (AT LEAST)

25X1D 25X1D

25X1D

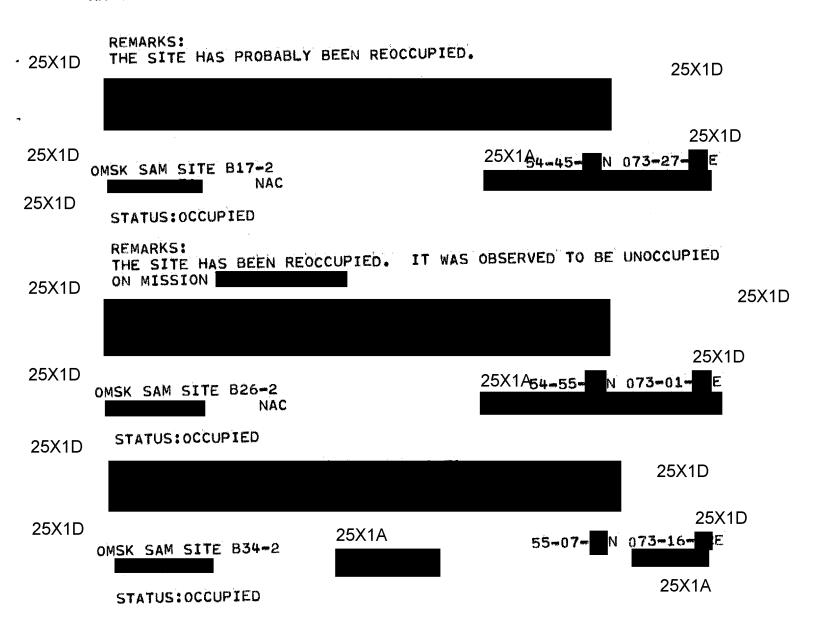
MOSKVA SAM SITE E01-3 NAC

ŀΕ 56-29- N 037-42-

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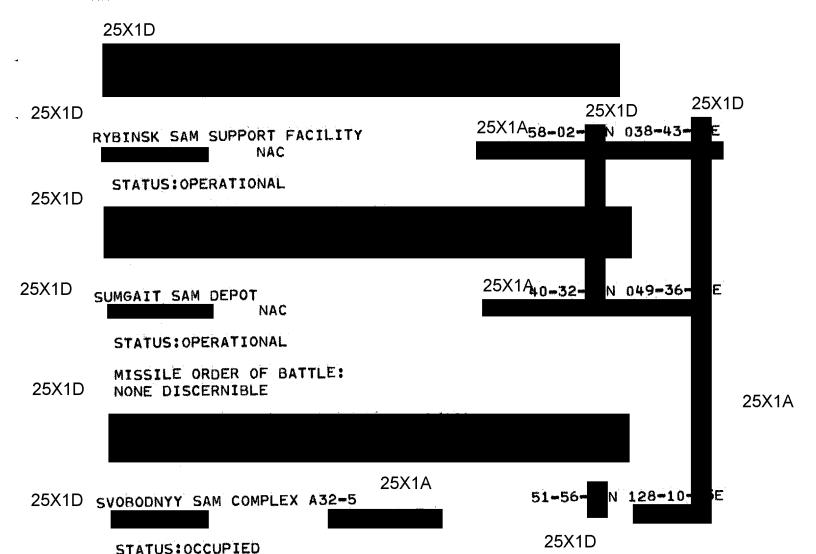
PHYSICAL DESCRIPTION: 10 NM NORTH OF OMSK.

THE SECURED SITE OF LINK CONFIGURATION CONSISTS OF SIX REVETTED LAUNCH POSITIONS, THREE REVETTED MISSILE-HOLD POSITIONS, A REVETTED GUIDANCE AREA, AND A VEHICLE PARKING AREA. THE ACQUISITION RADAR POSITION IS MOUNDED. THE ONSITE SUPPORT FACILITY 122 METERS (400 FEET) SE OF THE LAUNCH AREA CONSISTS OF A LARGE REVETTED PROBABLE MISSILE STORAGE BUILDING, A SMALLER DRIVE-IN BUILDING, AND TWO OTHER BUILDINGS. ANOTHER ONSITE SUPPORT FACILITY CONSISTS OF ONE LARGE BUILDING AND TENSMALLER BUILDINGS.

TCS-20238/70 - IPIR 21 KH-4 MISSION 1110

SOVIET UNION AIR DEFENSE MISSILES

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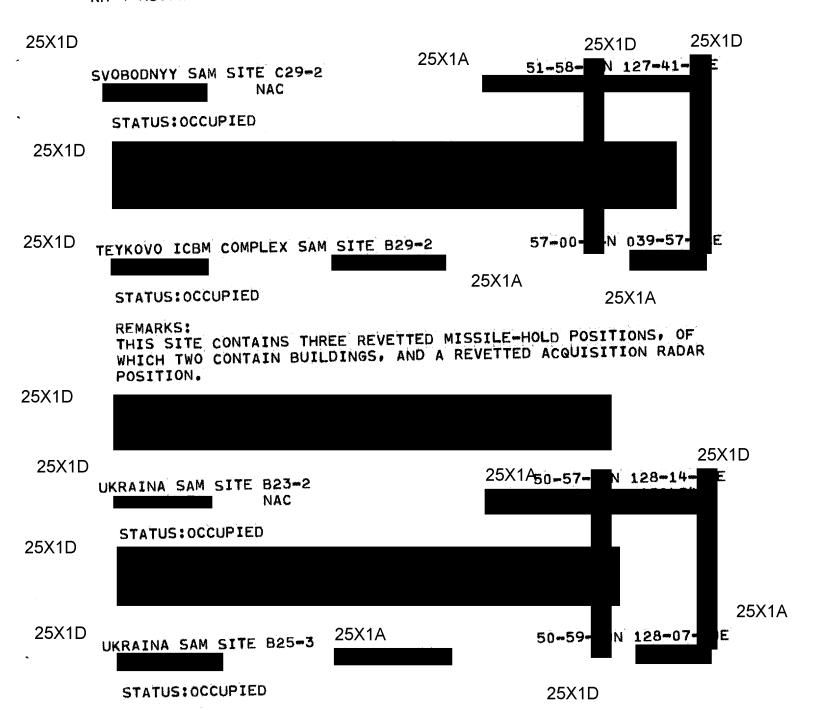


REMARKS:

ALL 18 LAUNCH POSITIONS, THE THREE RADAR MOUNDS OF THE TRACKING AND GUIDANCE FACILITY. AND THE FOUR RADAR MOUNDS OF THE AIR ONE OF THE MISSILE WARNING FACILITY WERE OCCUPIED. ASSEMBLY-CHECKOUT BUILDINGS IN THE HANDLING FACILITY APPEARED ANOTHER SMALL STRUCTURE WAS ALSO COMPLETE. A TO BE COMPLETE. STORAGE BUILDING AND ANOTHER ASSEMBLY-CHECKOUT BUILDING WERE UNDER CONSTRUCTION IN THAT AREA.



TC5-20238/70 - IPIR 21 KH-4 MISSION 1110 SOVIET UNION AIR DEFENSE MISSILES



REMARKS:
A PROBABLE ONSITE SUPPORT AREA WAS UNDER CONSTRUCTION
APPROXIMATELY 305 METERS (1.000 FEET) SE OF THE SITE. THE
FACILITY CONTAINS ONE LARGE AND TWO SMALL BUILDING FOUNDATIONS
(AT LEAST).

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SOVIET UNION AIR DEFENSE MISSILES

REMARKS:

AT LEAST ONE BUILDING WAS OBSERVED IN A MISSILE-HOLD POSITION.

25X1D

25X1D YAROSLAVL SAM SITE B29-2

NAC

STATUS: OCCUPIED

YURYUZAN SAM SITE A34-2 25X1A

25X1D 25X1D

25X1D 25X1D

25X1A57-40- N 039-33- E

25X1D

STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION: 3.5 NM NW OF YURYUZAN.

THE SECURED SITE IS PROBABLY OF LINK CONFIGURATION AND CONSISTS OF SIX REVETTED LAUNCH POSITIONS, AN UNREVETTED GUIDANCE AREA CONTAINING A PROBABLE EARTH-MOUNDED STRUCTURE, A MISSILE-HOLD POSITION, A PROBABLE ACQUISITION RADAR POSITION, AND AT LEAST TWO BUILDINGS WITHIN THE SECURED AREA. IMMEDIATELY ADJACENT TO THE SITE ARE TWO ONSITE SUPPORT AREAS. ONE IS SSW OF THE LAUNCH AREA AND CONTAINS TWO LARGE AND AT LEAST FOUR SMALLER BUILDINGS, AND THE OTHER IS WEST OF THE LAUNCH AREA AND CONTAINS AT LEAST SIX BUILDINGS. THREE OF THE LAUNCH SITES WERE MORE PRONOUNCED IN APPEARANCE, AS IF THE SITE WERE POSSIBLY BEING HARDENED. UNIDENTIFIED POSSIBLE CONSTRUCTION ACTIVITY WAS OBSERVED WITHIN THE SECURED AREA SW OF THE LAUNCH AREA.

25X1D

19

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KH-4 MISSION 1110

SOVIET UNION AIR DEFENSE MISSILES

25X1A

25X1D

YURYUZAN SAM SITE B09-2

25X1A

25X1D 25X1D 54-52-1 N 058-48-1 E

STATUS: OCCUPIED

PHYSICAL DESCRIPTION:
12.5 NM EAST OF YURYUZAN.
THE SECURED SITE IS OF STAR CONFIGURATION AND CONSISTS OF SIX
REVETTED LAUNCH POSITIONS, A GUIDANCE AREA (PROBABLY
UNREVETTED), AT LEAST TWO MISSILE-HOLD POSITIONS WITH
UNREVETTES, AND AT LEAST TWO SMALL BUILDINGS, ONE OF WHICH IS
STRUCTURES, AND AT LEAST TWO SMALL BUILDINGS, ONE OF WHICH IS
ADJACENT TO THE GUIDANCE AREA. AN ONSITE SUPPORT AREA
IMMEDIATELY ADJACENT TO AND NW OF THE LAUNCH AREA CONTAINS TWO
LARGE AND AT LEAST FIVE SMALLER BUILDINGS.

25X1D

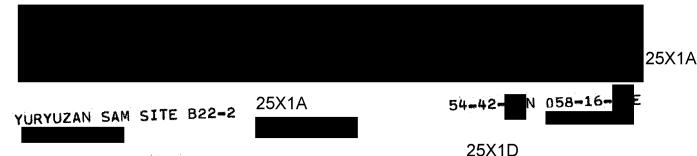
25X1D

25X1D

25X1D



STATUS: OCCUPIED



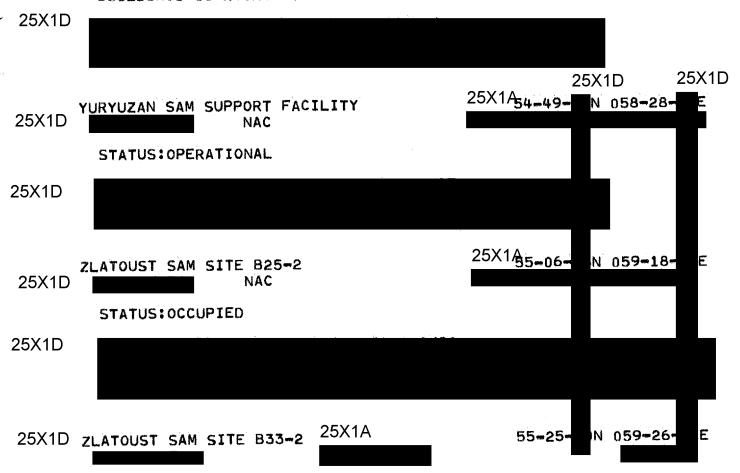
STATUS: OCCUPIED

25X1D

PHYSICAL DESCRIPTION:
11 NM SW OF YURYUZAN.
11 NM SW OF YURYUZAN.
THE SITE IS OF STAR CONFIGURATION AND CONSISTS OF SIX REVETTED
LAUNCH POSITIONS, A GUIDANCE AREA (REVETTING UNDETERMINED),
THREE MISSILE-HOLD POSITIONS WITH READY BUILDINGS, A PROBABLE
ACQUISITION RADAR POSITION, AND SEVERAL SMALL STRUCTURES.
ACQUISITION RADAR POSITION, AND SEVERAL SMALL STRUCTURES.
IMMEDIATELY NE OF AND ADJACENT TO THE LAUNCH AREA IS AN ONSITE
SUPPORT AREA CONTAINING TWO LARGE AND SEVERAL SMALLER
BUILDINGS. ANOTHER ONSITE SUPPORT AREA CONTAINING AT LEAST SIX

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BUILDINGS IS ADJACENT TO AND ESE OF THE LAUNCH AREA.



STATUS: OCCUPIED

25X1A

PHYSICAL DESCRIPTION:
16 NM NW OF ZLATOUST.
THE SECURED SITE IS OF STAR CONFIGURATION AND CONSISTS OF SIX
REVETTED LAUNCH POSITIONS, A PROBABLE EARTH-MOUNDED GUIDANCE
AREA (UNREVETTED), THREE MISSILE-HOLD POSITIONS (TWO WITH
PROBABLE READY BUILDINGS), A POSSIBLE ACQUISITION RADAR
POSITION, AND A SMALL BUILDING. DIRECTLY SE OF THE SITE AND
IMMEDIATELY ADJACENT ARE TWO LARGE AND AT LEAST ONE SMALLER
BUILDING. NE OF THE SITE IS A PROBABLE ONSITE SUPPORT AREA
CONTAINING AT LEAST SEVEN BUILDINGS. ALL LAUNCH POSITIONS AND
THE GUIDANCE AREA WERE OCCUPIED.



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